IN THE CLAIMS:

1. - 17. (Canceled)

18. (New) A method of manufacturing an image display apparatus, the image display apparatus comprising a plurality of matrix-wired electron-emitting devices and a plurality of fluorescent materials that are caused to emit light by emitted electrons emitted from the electron-emitting devices, wherein a distance of the electron-emitting devices in a first direction is closer than a distance of the electron-emitting devices in a second direction, the method comprising a measuring step of measuring luminance of the fluorescent materials by an area sensor that has no less elements than a number of fluorescent materials in a measurement area, wherein the measuring step comprises measuring luminance of a plurality of fluorescent materials which are caused to emit light by emitted electrons simultaneously emitted from electron-emitting devices arranged in the first direction and non-adjacent in the first direction.

19. (New) A method of manufacturing an image display apparatus, the image display apparatus comprising a plurality of matrix-wired electron-emitting devices and a plurality of fluorescent materials that are caused to emit light by emitted electrons emitted from the electron-emitting devices, wherein a first black stripe is arranged between fluorescent materials adjacent in a first direction and a second black stripe is arranged between fluorescent materials adjacent in a second direction, wherein a width of the first black stripe is less than a width of the second black stripe, the method comprising a measuring step of measuring luminance of the

fluorescent materials by an area sensor that has no less elements than a number of fluorescent materials in a measurement area, wherein the measuring step comprises measuring luminance of a plurality of fluorescent materials which are caused to emit light by the emitted electrons simultaneously emitted from electron-emitting devices corresponding to a plurality of fluorescent materials arranged in the first direction and non-adjacent in the first direction.

20. (New) A method according to claim 18, wherein the area sensor measures luminance of at least one fluorescent material by adding outputs of a plurality of elements of the area sensor.

21. (New) A method according to claim 19, wherein the area sensor measures luminance of at least one fluorescent material by adding outputs of a plurality of elements of the area sensor.

22. (New) A method of manufacturing an image display apparatus, the image display apparatus comprising a plurality of pixels, the method comprising:

a measuring step of measuring luminance of at least one pixel by adding outputs of a plurality of elements of an area sensor which measures luminance of the pixel.

23. (New) The method according to claim 18 further comprising:

an adjusting step of adjusting luminance of fluorescent materials that are

caused to emit light by electrons emitted from electron-emitting devices based on a result of the measuring step.

24. (New) The method according to claim 19 further comprising:

an adjusting step of adjusting luminance of fluorescent materials that are caused to emit light by electrons emitted from electron-emitting devices based on a result of the measuring step.

25. (New) The method according to claim 20 further comprising:

an adjusting step of adjusting luminance of fluorescent materials that are caused to emit light by electrons emitted from electron-emitting devices based on a result of the measuring step.

26. (New) The method according to claim 21 further comprising:

an adjusting step of adjusting luminance of fluorescent materials that are caused to emit light by electrons emitted from electron-emitting devices based on the result of the measuring step.

27. (New) The method according to claim 22 further comprising:

an adjusting step of adjusting luminance of the pixels based on a result of the measuring step.